



Oregon

Environmental Laboratory Accreditation Program



NELAP Recognized

Enthalpy Analytical, LLC 4053

4340 Vandever Avenue
San Diego, CA 92120

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNI STANDARDS, TO PERFORM
ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids & Chem. Waste	Tissue
		Toxicity Testing	Toxicity Testing	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND
FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND
CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN
OREGON.

Travis Bartholomew
Oregon State Public Health Laboratory
ORELAP Program Manager
7202 NE Evergreen Parkway, Suite 100
Hillsboro, OR 97124

EFFECTIVE DATE : 09/20/2023

EXPIRATION DATE : 09/19/2024

Certificate No : 4053 - 010





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ORELAP Fields of Accreditation



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ORELAP ID: 4053
EPA CODE: CA01257
Certificate: 4053 - 010

Issue Date: 9/20/2023 Expiration Date: 9/19/2024

As of 9/20/2023 this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Non-Potable Water	EPA 600/R-95/136			1st	2002	920	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3310	Atherinops affinis				
		3335	Crassostrea gigas				
		3351	Dendraster excentricus				
		3362	Haliotis rufescens				
		3370	Holmesimysis costata				
		3375	Macrocystis pyrifera				
		3400	Mytilus spp.				
		3430	Strongylocentrotus purpuratus				
	EPA 821/R-02/012; 2000.0					902	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3410	Pimephales promelas				
	EPA 821/R-02/012; 2002.0					901	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3315	Ceriodaphnia dubia				
		3372	Hyalella azteca				
	EPA 821/R-02/012; 2006.0			5	2002	903	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3310	Atherinops affinis				
		3380	Menidia beryllina				
	EPA 821/R-02/012; 2007.0			5	2002	904	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3395	Americamysis bahia				
	EPA 821/R-02/012; 2021.0			5th	2002	900	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3350	Daphnia magna				
		3355	Daphnia pulex				
		3372	Hyalella azteca				



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Non-Potable Water	EPA 821/R-02/013; 1000.0					10252605	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3410	Pimephales promelas				
	EPA 821/R-02/013; 1002.0					10253006	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3315	Ceriodaphnia dubia				
	EPA 821/R-02/013; 1003.0				2002	10253200	Green Alga Growth, chronic (EPA 821/R-02/013)
		3420	Selenastrum capricornutum				
Solids	EPA 821/R-02/014; 1006.0				2002	10253802	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3380	Menidia beryllina				
	EPA 821/R-02/014; 1007.0				2002	10254009	Mysid Survival, Growth, and Fecundity, chronic (EPA 821/R-02/014)
		3395	Americamysis bahia				
	ASTM E 1022 - 94					919	Standard Guide for Conducting Bioconcentration Tests with Fishes and Saltwater Bivalve Mollusks
		3400	Mytilus spp.				
	ASTM E 1367-03				2008	912	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3302	Ampelisca abdita				
		3358	Eohaustorius estuarius				
		3461	Leptocheirus Plumulosus				
		3413	Rhepoxynius abronius				
	ASTM E 1563-98				2008	913	Standard Guide for Conducting Static Acute Toxicity Tests with Echinoid Embryos
		3351	Dendraster excentricus				
		3430	Strongylocentrotus purpuratus				
	ASTM E 1611					957	Standard Guide for Conducting Sediment Toxicity Tests with Polychaetous Annelids
		3401	Neanthes arenaceodentata				



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Solids	ASTM E 1676-12			2012		914	Earthworm Bioassay Protocol for Soil Toxicity Screening
		3357	Eisenia fetida				
	ASTM E 1688-19			2019		915	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3463	Lumbriculus variegatus				
		3464	Macoma nasuta				
		3402	Nereis virens				
	ASTM E 1706-20			2020		916	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates
		3323	Chironomus dilutus				
		3372	Hyalella azteca				
		3463	Lumbriculus variegatus				
	ASTM E 724-98			2012		917	Standard Guide for Conducting Static Acute Toxicity Tests Starting with Embryos of Four Species of Saltwater Bivalve Molluscs
		3335	Crassostrea gigas				
		3400	Mytilus spp.				
	EPA 600/R-01/020					956	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3461	Leptocheirus Plumulosus				
	EPA 600/R-94/025; 100.4					952	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3302	Ampelisca abdita				
		3358	Eohaustorius estuarius				
		3461	Leptocheirus Plumulosus				
		3413	Rhepoxynius abronius				
	EPA 600/R-99/064; 100.1			2nd	2002	950	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3372	Hyalella azteca				
	EPA 600/R-99/064; 100.2			2		906	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3323	Chironomus dilutus				



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Solids	EPA 600/R-99/064; 100.3			2		907	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3463	Lumbriculus variegatus				
	EPA 600/R-99/064; 100.5			2		953	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3323	Chironomus dilutus				
	Polisini & Miller (CDFG 1988)					970	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3410	Pimephales promelas				
	PSEP (1995)			1995		980	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3302	Ampelisca abdita				
		3335	Crassostrea gigas				
		3351	Dendraster excentricus				
		3358	Eohaustorius estuarius				
		3400	Mytilus spp.				
		3401	Neanthes arenaceodentata				
		3413	Rhepoxynius abronius				
		3430	Strongylocentrotus purpuratus				
	WDOE 80-12, 2020				2020	918	Biological Test Methods for the Designation of Dangerous Waste
		3405	Oncorhynchus mykiss				
	WDOE 96-327					905	Earthworm Bioassay Protocol for Soil Toxicity Screening
		3357	Eisenia fetida				